

Royal Swedish Academy of Sciences Holds Symposium on Energy in October

www.energy2050.se

The Royal Swedish Academy of Sciences will hold the symposium "Energy 2050" in Stockholm in association with the Swedish European Union presidency on October 19–20, 2009. The aim of the symposium is to suggest a road map of feasible and necessary steps for future energy development of special interest in view of the United Nations Climate Change Conference in Copenhagen in December 2009.

Topics of special interest are energy efficiency, fuels for transportation, renewable energy sources such as sun- and wind-power, fourth-generation nuclear energy, and technologies for removing existing carbon dioxide in the atmosphere or transforming it into fuels. Speakers include Nobel laureates Carlo Rubbia (formerly of CERN Laboratory) and George A. Olah (University of

Southern California) and Julia King (Vice-Chancellor of the Aston University).

For more information, access Web site www.energy2050.se or contact Secretariat, MCI Stockholm, Box 6911, 102 39 Stockholm, Sweden; e-mail confirmation-sweden@mci-group.com; tel. 46-8-5465-1500; or fax 46-8-5465-1599.

Materials Challenges in Alternative & Renewable Energy 2010 to Be Held in February 2010

www.ceramics.org/energy2010

Materials Challenges in Alternative & Renewable Energy 2010 will be held on February 21–25, 2010 in Cocoa Beach, FL. Sponsored by The American Ceramic Society (ACerS), ASM International, and the Society of Plastics Engineers (SPE) and endorsed by the Materials Research Society (MRS) and the Society for the Advancement of Material and Process Engineering (SAMPE), Energy 2010 aims to facilitate information sharing on the latest developments involving materials for alternative and renewable energy


sources and systems.

Featuring tutorials and invited presentations on leading energy alternatives, Energy 2010 will address Solar, Wind, Hydropower, Geothermal, Biomass, Nuclear, Hydrogen, and Battery Technology. The conference will discuss how the overall efficiency, effectiveness, and practicality of existing and future alternative energy sources and systems are directly related to materials factors. These include materials costs, availability, and improvements in chemical, mechanical,


electrical and/or thermal properties of materials now being considered, as well as the ability to produce and fabricate materials in forms and shapes that work effectively in areas of energy generation, storage, and distribution.

The abstract deadline is September 21, 2009.

For more information, contact Mark Mecklenborg at ACerS, tel. 614-794-5829 or e-mail mmecklenborg@ceramics.org or access Web site www.ceramics.org/energy2010. □



**ARIZONA STATE UNIVERSITY
2010 Winter School**



**High Resolution
Electron Microscopy**
Monday, January 11 to Friday, January 15, 2010

Interactive lectures and laboratories on the theory and practice of HREM and STEM, small probe formation, electron diffraction, image calculations and processing, electron energy loss and x-ray nanospectroscopy and focused ion beam. Demonstrations of environmental electron microscopy, focused ion beam methods and techniques of specimen preparation will be scheduled for the morning of January 15, 2010.

Instruments to be used include FEI Tecnai, CM 200, Nova-200, Topcon 002B, JEOL 2010F, 4000EX, 2000FX; and LEO 912.

The registration form (available at <http://le-csss.asu.edu/workshops/>) and check for the course fee (in the amount of \$950.00) payable to Arizona State University should be sent by **November 2, 2009** to:

Beth Crespo
CHREM/LE-Center for Solid State Science
Arizona State University
Box 879506
Tempe, AZ 85287-9506

A limited number of graduate student scholarships are provided by EM manufacturers. To apply, see the web URL above.

Hall Effect Measurement Systems

- ◇ Turnkey Systems
- ◇ Configurable and Modular Systems
- ◇ Automated Instrumentation
- ◇ Wide Temperature Ranges Available
 - ◇ Several Magnet Options
 - ◇ Easy to Use
 - ◇ Reliable Results



For more information, visit www.mmr.com

MMR
MMR Technologies, Inc